



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/594,405	06/15/2000	Josephus Martinus Maria Van Gastel	PHN-17.489	9106

24737 7590 01/30/2004

PHILIPS INTELLECTUAL PROPERTY & STANDARDS  
P.O. BOX 3001  
BRIARCLIFF MANOR, NY 10510

EXAMINER

TUGBANG, ANTHONY D

ART UNIT PAPER NUMBER

3729

DATE MAILED: 01/30/2004

18

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/594,405

Applicant(s)

VAN GASTEL, JOSEPHUS  
MARTINUS MARIA

Examiner

A. Dexter Tugbang

Art Unit

3729

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 November 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) 3 and 4 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Response to Amendment***

1. The applicant's amendment filed 11/28/03 (Paper No. 17) has been fully considered and made of record.

### ***Election/Restrictions***

2. Claims 3 and 4 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons set forth in Paper No. 9.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 3 and 4 continue to stand as being withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

### ***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

4. Claims 1-2 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In Claim 1, the "wherein..." clause (last 3 lines of Claim 1) is misleading, confusing and renders the claims as being vague and indefinite. With emphasis on the phrase of "arranged on a

Art Unit: 3729

particular Y-slide” (lines 9-10), the body of the claim (lines 3-8) only requires one, single Y-slide with at least two of the placement heads on the one, single Y-slide. The above wherein clause now recites that the at least two placement heads are on a “particular Y-slide”, which implies that the two placement heads *are not* on the previously recited one, single Y-slide. The wherein clause contradicts the body of the claim. Moreover, how many Y-slides are there? It is unclear if the latter recitation of “a particular Y-slide” (lines 9-10) is the same as the previous recitation of “a Y-slide” (line 5).

***Claim Rejections - 35 USC § 102***

5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
6. Claim 1, as best understood, are rejected under 35 U.S.C. 102(b) as being anticipated by Hata et al.

Hata discloses a machine comprising: a transport device (board transfer means 22 in Fig. 3); at least one feeder area (region above component supply table 28A) with electrical components (see Fig. 2); a plurality of Y-slides in which one “Y-slide” is read as the upper mounting head section 31 and the claimed “particular Y-slide” is read as the lower mounting head section 31 (in Fig. 3), each of these Y-slides 31 are independently drivable in an X-direction (see Fig. 3); at least two placement heads (nozzles 33) on each of the Y-slides with each of the placement heads moving simultaneously in the X-direction and are independently drivable from one another in a Y-direction (see arrows surrounding the head sections 31 in Fig. 3), which meets all of the limitations of the claimed machine.

Art Unit: 3729

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claim 2, as best understood, is rejected under 35 U.S.C. 103(a) as being unpatentable over Hata et al.

Hata, as relied upon above, discloses the claimed machine. In addition to the “Y-slide” and “particular Y-slide” relied upon in Claim 1 and as best understood, Hata does not appear to teach that the machine further comprises another “plurality of Y-slides”.

To add another “plurality of Y-slides” would be considered a mere duplication of parts and it would have been obvious to one of ordinary skill in the art at the time the invention was made to have added another “plurality of Y-slides” to perform the same expected results of placing components.

It is noted that although Hata may not disclose another “plurality of Y-slides”, the court held that mere duplication of parts has no patentable significance unless a new and unexpected result is produced. *In re Harza*, 274 F.2d 669, 124 USPQ 378 (CCPA 1960).

***Response to Arguments***

9. Applicant's arguments filed 11/28/03 (Paper No. 17) have been fully considered but they are not persuasive.

In regards to the merits of Hata et al, the applicant asserts that Hata does not teach that the at least two placement heads arranged on a particular Y-slide move simultaneously in the X-direction and are independently drivable in a Y-direction.

The examiner most respectfully disagrees with this assertion. Being that Hata shows multiple placement heads on one "Y-slide" (upper mounting head section 31) and multiple placement heads on a "particular Y-slide" (lower mounting head section 31) and each Y-slide has its own separate motors 47, 56, the placement heads on the one "Y-slide" and the placement heads on the "particular Y-slide" can move simultaneously in the X-direction and are independently drivable in the Y-direction from each another. Therefore, Hata fully satisfies all of the limitations of Claim 1.

### ***Conclusion***

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

Art Unit: 3729

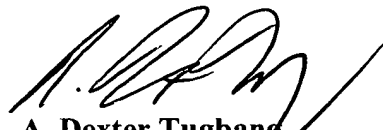
however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. Dexter Tugbang whose telephone number is 703-308-7599.

The examiner can normally be reached on Monday - Friday 7:00 am - 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 703-308-1789. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**A. Dexter Tugbang**  
**Primary Examiner**  
**Art Unit 3729**

January 29, 2004